

# Work Order ID 106531

Friday, September 06, 2013 10:34:55 AM

**\*106531\***

UPDATE IN OFFSHORE

Page 1

Item ID: D350-636-215 Accept **\*N9000040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Deluxe Skidtube LH Aerazur / Apical Cylindrical Float Compatible  
 Start Date: 9/5/2013 Start Qty: 1.00 **\*1\*** Cust Item ID:  
 Required Date: 9/13/2013 Req'd Qty: 1.00 **\*1\*** Customer:  
 Reference: ECN 13-535

Approvals: Process Plan: WFE Date: 13-9-6 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D350-636	J								

170 0.00

**\*170\***

Packaging

Memo

0.00

Packaging

PULL FROM STOCK D350-636-215 X 1 B91246

106531

REMOVE OLD PAPERWORK AND REPLACE WITH NEW

ADD 1 X D3456-1 TO KIT AND UPDATE TO CHANGE 005

ID AND STOCK UNDER NEW BATCH NUMBER

180

QC5- Inspect part completeness to step on W/O

0.00

**\*180\***

QC

Memo

0.00

Quality Control

*Ed Klein* 9/17/13

**Work Order ID 106531**

Friday, September 06, 2013 10:34:55 AM

**\*106531\***

UPDATE IN OFFSHORE

Page 1

Item ID: D350-636-215

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Item Name: Deluxe Skidtube LH Aerazur / Apical Cylindrical Float Compatible

Stop **\*NS2\***Start Date: 9/5/2013 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 9/13/2013 Req'd Qty: 1.00 **\*1\***

Customer:

Reference: ECN 13-535

Approvals:

Process Plan: MF.Date: 12-9-16

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

Draw Nbr

Revision Nbr

IIN-D350-636

J

170

0.00

**\*170\***

Packaging

Memo

0.00

Packaging

PULL FROM STOCK D350-636-215 X 1 B91246

REMOVE OLD PAPERWORK AND REPLACE WITH NEW

ADD 1 X D3456-1 TO KIT AND UPDATE TO CHANGE 005

ID AND STOCK UNDER NEW BATCH NUMBER

180

QC5- Inspect part completeness to step on W/O 0.00

**\*180\***

QC

Memo

0.00

Quality Control

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>						
<b>Root Cause</b>	<b>Date</b>	<b>Step</b>	<b>Qty</b>	<b>Description of work order update or Non-conformance</b>	<b>Initial Chief Eng</b>	<b>Action Description</b>	<b>Sign &amp; Date</b>	<b>Verification</b>	<b>QC Inspector</b>			
Doc/Data <input type="checkbox"/>												
Equip/Tooling <input type="checkbox"/>												
Operator <input type="checkbox"/>												
Material <input type="checkbox"/>												
Setup <input type="checkbox"/>												
Other <input type="checkbox"/>												
Process <input type="checkbox"/>												
Supplier <input type="checkbox"/>												
Training <input type="checkbox"/>												
Unapproved <input type="checkbox"/>												
<b>FAULT CATEGORY</b>												
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other	

**Work Order ID 106531**

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**\*106531\***

Page 2

Item ID: D350-636-215      Accept      **\*N900040100\***      Setup Start **\*NS1\***  
Revision ID:      Stop **\*NS2\***  
Item Name: Deluxe Skidtube LH Aerazur / Apical Cylindrical Float Compatible  
Start Date: 9/5/2013      Start Qty: 1.00      **\*1\***      Cust Item ID:  
Required Date: 9/13/2013      Req'd Qty: 1.00      **\*1\***      Customer:  
Reference: ECN 13-535

Approvals:      Process Plan:      Date:      Tooling:      Date:      Run Start **\*NR1\***  
QC:      Date:      SPC (Y/N):      Date:      Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
190 <b>*190*</b> Packaging Packaging	Identify as per dwg & Stock Location: _____  Memo	0.00  0.00							
200 <b>*200*</b> QC Quality Control	QC21- Final Inspection - Work Order Release  Memo	0.00  0.00							

*update OFFSHORE MUF 13-9-18*

*MCS 13-09-18*

*MUF 13-9-18*

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>						
<b>Root Cause</b>	<b>Date</b>	<b>Step</b>	<b>Qty</b>	<b>Description of work order update or Non-conformance</b>	<b>Initial Chief Eng</b>	<b>Action Description</b>	<b>Sign &amp; Date</b>	<b>Verification</b>	<b>QC Inspector</b>			
Doc/Data <input type="checkbox"/>												
Equip/Tooling <input type="checkbox"/>												
Operator <input type="checkbox"/>												
Material <input type="checkbox"/>												
Setup <input type="checkbox"/>												
Other <input type="checkbox"/>												
Process <input type="checkbox"/>												
Supplier <input type="checkbox"/>												
Training <input type="checkbox"/>												
Unapproved <input type="checkbox"/>												
<b>FAULT CATEGORY</b>												
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <hr/> <hr/> <hr/>		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other	

# Picklist Print

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Page 1

Work Order ID: 106531

Parent Item: D350-636-215

Parent Item Name: Deluxe Skidtube LH Aerazur / Apical Cylindrical Float Compatible

Start Date: 9/5/2013

Required Date: 9/13/2013

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 10.10.04 new issue DD verf:EC  
DD verf:EC IPP Rev:C 112.04.16 AS PER ECN 12-542 DD verf:EC  
IPP Rev:B 11.04.14 ecn11-553

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3456-1 Washer		Manufactured	No				Each	131.0000		1			

Location	Loc Qty	Loc Code
FG	7	
25701	7	
ST047	124	
103539	50	
103787	25	
80252	1	
85223	1	
89237	6	
96570	21	
99338	20	

D350-636-215

Manufactured No

Deluxe Skidtube LH Aerazur / Apical Cylindrical Float Compatible

Each 0.0000

1

MF 13-9-16

1 x 91246  
MF  
13-9-16

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

**FAULT CATEGORY**

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Misabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

**REVISION RECORD**

Revision	Issue Date	Description
A	98.04.16	New Issue
B	98.09.02	Change blade bolt to AN8-16A
C	98.11.19	Add -013/-014 skid tubes for Aircruiser compatibility
D	06.01.03	Add compatibility with Apical Tri-bag Floats and Apical Cylindrical Floats
E	07.05.15	Change wearplates to stainless steel; Re-organize installation procedure.....pg. 4-7; Add Dart D350-748 crosstube compatibility.....pg. 3; Incorporate DSI 9343.....pg. 6,13; Replace D350-636-041 kit with -043 kit.....pg. 12,13; Item 17 now D3631-1 Washer.....pg. 12; Item 18 now ALS4-1032-225.....pg. 12; Removed * from items 9-12.....pg. 12; Add rubber gaskets, item 23B, 24B, 25B.....pg. 13; Remove NAS1515H3L washers from the wearshoes.....pg. 13
F	08.08.14	Add note to use Antiseize compound.....pg. 5, 8; Add reference to DSI 9413;.....pg. 6-7; Add D350-636-011/-012/-013/-014 at CHG 004 drawing.....pg. 10; Add Parts List for D350-636-011/-012/-013/-014 at CHG 004.....pg. 17
G	10.07.12	Incorporated DSI 9456, DSI 9457, DSI 9490 Fixed typo on pg. 3, 355A41-2002-03 changed to 355A41-2001-03
H	10.07.26	Add D350-636-015/-016/-017/-018/-047 kits.....pg. 13; Add Parts List for D350-636-015/-016/-017/-018/-047.....pg. 29; Add D350-636-215/-216/-217/-218 Kits.....pg. 13; Add Parts List for D350-636-215/-216/-217/-218.....pg. 31
I	10.10.25	D4170-3 Spacer was D4170-1 .....pg. 10,30; Drill size for D4170-3 Spacer is Ø0.453" (was Ø0.313 for -1)....pg. 10
J	13.03.01	Incorporate DSI 9570.....pg. 3; Ø0.633" was Ø0.625" section 3.10.1.....pg.10; Revised section R-R .....pg. 17; Update Weight and Balance for D350-636-047.....pg. 22; Add 1X D3456-1 to D350-636-109.....pg. 28

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Revision: J

Date: 13.03.01



# List Lots

September-05-13 11:19:21 AM

Page 1 of 1

Criteria : Item ID: 'D350-636-215', 'D350-636-216', 'D350-636-217', 'D350-636-218'

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	All Locations	All Warehouses	All Quantity	Type Code	Comments
D350-636-215 Deluxe Skidtube LH Aerazur / Apical Cylindrical Float Compatible										
	Main Warehouse FG	91248 #106527	6/05/13	1.0000		QC21		CHG004		Angle of 1.44*
	Main Warehouse FG072	97328 #106525	5/10/13	1.0000		QC21		CHG004		Angle of 2.73* . Ship Local
	OFFSHORE FG	85190 #106529	5/22/13	1.0000		QC21		CHG004		
	OFFSHORE FG	91245 #106530	5/10/13	1.0000		QC21		CHG004		
	OFFSHORE FG	91246 #106531	6/05/13	1.0000		QC21		CHG004		
				Total:	5.0000					
				5/10/13	1.0000	QC21		CHG004		Angle of 2.56* . Ship local
D350-636-216 Deluxe Skidtube RH Aerazur / Apical Cylindrical Float Compatible										
	Main Warehouse FG073	91252 #106532	5/22/13	1.0000		QC21		CHG004		
	OFFSHORE FG	85193 #106533	5/22/13	1.0000		QC21		CHG004		
	OFFSHORE FG	91249 #106534	5/10/13	1.0000		QC21		CHG004		
	OFFSHORE FG	91250 #106535	6/05/13	1.0000		QC21		CHG004		
				Total:	4.0000					
				5/10/13	1.0000	QC21		CHG004		Angle of 1.98*
D350-636-218 Deluxe Skidtube RH Air Cruiser / Apical Tri-Bag Float Compatible										
	Main Warehouse FG073	91253 #106536								
				Total:	1.0000					

101114  
50 689 617